PWM Amplifier Support Components

EVALUATION KIT

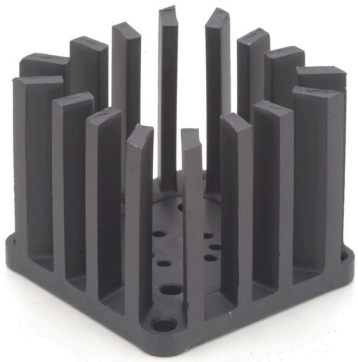
EK-SA50 is an easy to use engineering platform for prototype evaluation. The PC board is also a good starting point for an application specific layout. Provided items include: PC board, heatsink rated at 2°C/W, a socket and thermal washers. The amplifier is sold separately. Common hardware such as screws, nuts and user's preference for I/O connectors are not provided.

HEATSINKS

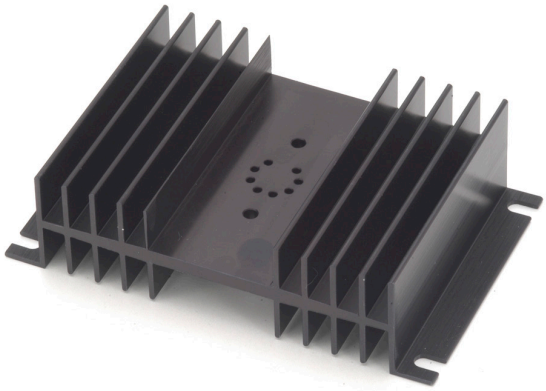
The following heatsinks are mechanically compatible with this amplifier. Thermal ratings are for optimum mounting in free air.

HS01 11.6°C/W

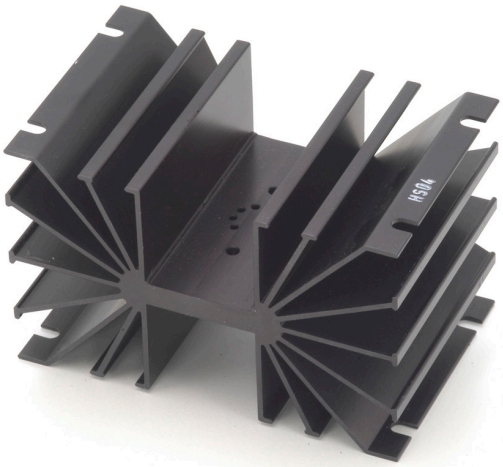
HS02 4.5°C/W



HS03 1.7°C/W



HS04 0.95°C/W



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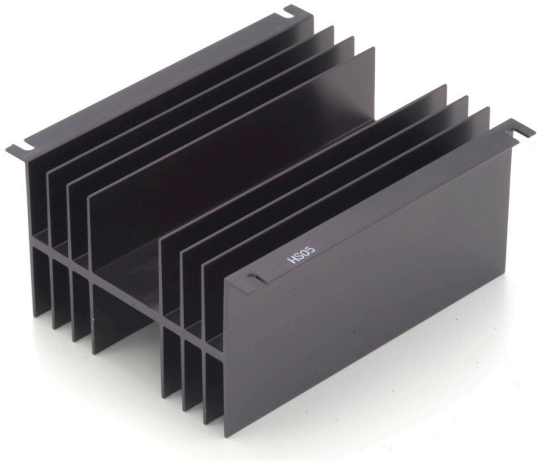
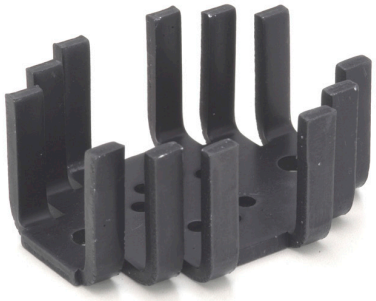
HS05 0.85°C/W



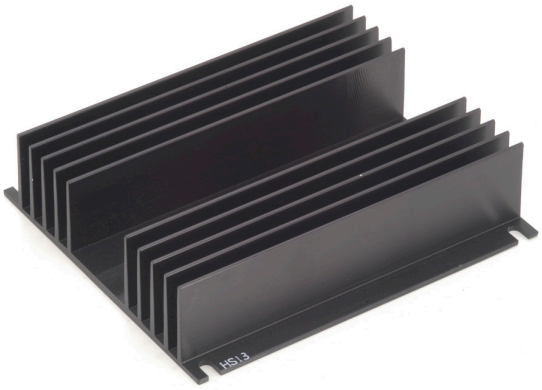
HS09 11.7°C/W



HS11 0.68°C/W

With liquid cooling the HS11 thermal rating can be reduced to .1°C/W.

HS13 1.48°C/W

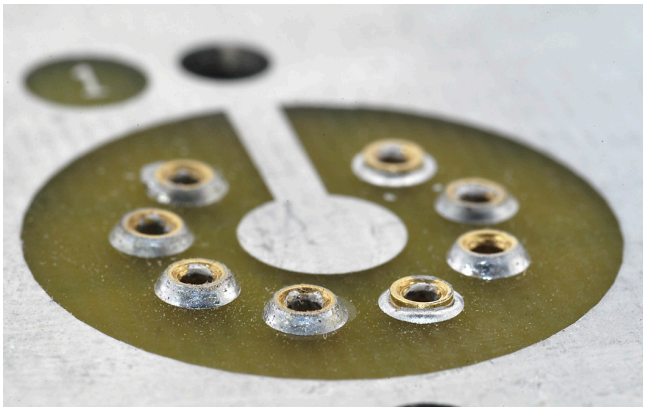


HS14 2°C/W

CAGE JACKS

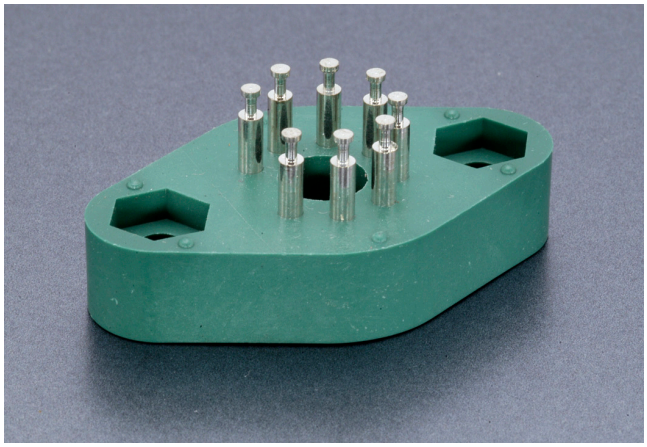
MS02

Part number MS02 consists of a package of 8 cage jacks. These are mounted directly in a print circuit board. Use a spacer between the PCB and the heatsink to avoid short circuits.



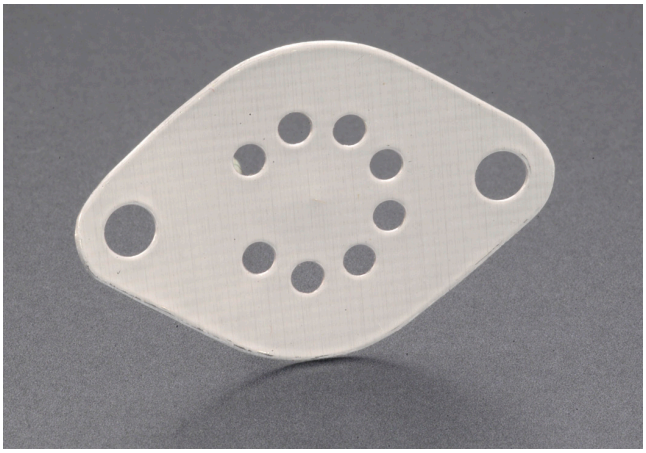
SOCKET

MS03



THERMAL WASHER

TW03



NOTES:
1. Base material is aluminum, 0.002” thick. Do not allow the washer to touch pins of the amplifier.
2. For optimum thermal transfer, avoid abrasive handling of washers which can damage their 0.5mil thick layer of thermal compound with which each side is coated.
3. The dry thermal compound will flow filling header to heatsink voids as soon as the material reached 60°C.
4. Do not store unused thermal washers above 40°C.
5. A new washer must be used for each mounting.
6. Part number TW03 consists of a package of 10 washers.
7. Thermal resistance is 0.1°C/W.

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